



Fact Sheet



Missouri Department of Natural Resources

Doe Run Lead Smelter SIP Revision Herculaneum, Missouri

December 2001

PUBLIC COMMENT PERIOD

You are invited to send comments on the SIP revision to the EPA. The SIP does not become final until the public has opportunity to comment on the plan. The 30-day comment period ends January 4, 2002.

Comments may be sent to:

James Hirtz
Air Planning and Development
EPA Region 7, 901 N. 5th Street
Kansas City, Kansas 66101
E-mail: hirtz.james@epa.gov

Documents on this SIP are available for review at:

Herculaneum Public Library
1 Parkwood Court
Herculaneum, Missouri

These documents are also available at EPA Region 7 offices in Kansas City, Kansas, and the Missouri Department of Natural Resources in Jefferson City, MO.

INTRODUCTION

The Environmental Protection Agency (EPA) proposes approval of the State Implementation Plan (SIP) revision submitted by Missouri Department of Natural Resources (MDNR) for the Doe Run primary lead smelter in Herculaneum. This SIP satisfies requirements under the Clean Air Act (CAA) and when fully implemented will demonstrate attainment of the National Ambient Air Quality Standards (NAAQS) for lead in the Doe Run-Herculaneum area.

Each federally-approved SIP protects air quality by addressing air pollution at the point of origin. SIPs can be extensive—containing state regulations or other enforceable documents with supporting information such as emission inventories, monitoring networks and modeling demonstrations.

This fact sheet contains information for this particular SIP and the 30-day period during which citizens can submit their comments.

BACKGROUND

Doe Run is the largest primary lead smelter in the United States. It has a yearly production capacity of 250,000 tons refined lead. The Herculaneum facility has operated at this location for more than 100 years. The EPA air standard set for lead in October 1978 is 1.5 micrograms of lead per cubic meter of air averaged over a calendar quarter.

HOW ARE STATE IMPLEMENTATION PLANS USED?

The Clean Air Act (CAA) requires states to develop air pollution regulations and control strategies to ensure that state air quality meets EPA's national ambient air quality standards for human health and the environment. Each state must submit documents to EPA for approval and incorporation into a federally-enforceable SIP.

The detailed SIP developed by MDNR ensures the proposed control measures result in attainment of the lead standard. Implementation of the control strategy will reduce approximately 99 percent of fugitive lead emissions. Doe Run is required to spend approximately \$8.8 million dollars by July 2002 on these improvements. Approved contingency measures must be enacted within six months when there is a violation of the lead standard after the new attainment date of August 14, 2002.

Computer modeling to support the revision was developed to predict future lead concentrations. Based on these results and review of past non-compliant air data, the facility is expected to attain the lead standard.

CURRENT STATUS

MDNR submitted a SIP revision in September 1990, which underwent further revisions before EPA approval in 1994. The approved plan established June 30, 1995, as the date by which the Doe Run -- Herculaneum area was to have attained compliance with the lead standard. However, lead concentrations in the Herculaneum area continued to violate the standard. MDNR submitted a revised SIP to EPA on January 10, 2001, for the Doe Run-Herculaneum area. The SIP revision was found complete on January 12, 2001, and established August 14, 2002 as the new attainment date.

NEXT STEPS

The proposed rule, Technical Support Document, and other documents related to the site are available at the Herculaneum Public Library, 1 Parkwood Court, in Herculaneum as well as at EPA Region 7, 901 North 5th Street, Kansas City, Kansas 66101 and MDNR's Air Pollution Control Program, 205 Jefferson Street, Jefferson City, MO, 65101. All comments will be reviewed and addressed by EPA before any action will be taken by the EPA to finalize or accept the SIP proposed by MDNR. If you have questions about this fact sheet or need additional information please contact, John F. Horton, Office of External Programs at 913-551-7003 or E-mail: horton.johnf@epa.gov